Welcome to STN International! Enter x:x

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	May 12	EXTEND option available in structure searching
NEWS 4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 7	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS 9	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS 10	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS 11	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS 12	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS 13	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
NEWS 14	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS 15	AUG 04	Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
NEWS 16	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
NEWS 17	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS 18	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS 19	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS 20	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 21	SEP 14	STN Patent Forum to be held October 13, 2004, in Iselin, NJ

NEWS EXPRESS	JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:53:48 ON 21 SEP 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 15:54:01 ON 21 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 20 SEP 2004 HIGHEST RN 748739-98-2
DICTIONARY FILE UPDATES: 20 SEP 2004 HIGHEST RN 748739-98-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

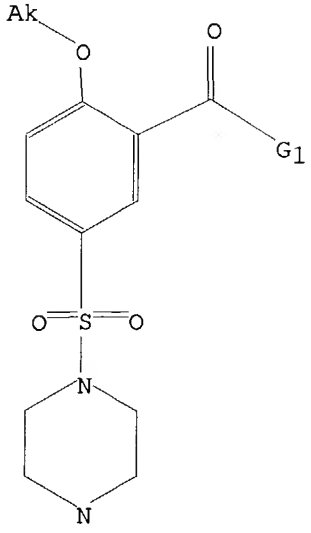
Crossover limits have been increased. See HELP CROSSOVER for details.

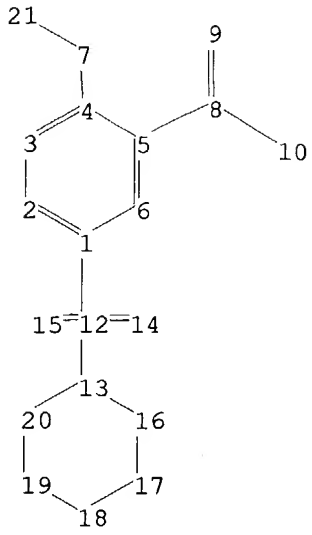
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading C:\STNEXP4\QUERIES\10808027-2.str





chain nodes :
7 8 9 10 12 14 15 21
ring nodes :
1 2 3 4 5 6 13 16 17 18 19 20
chain bonds :
1-12 4-7 5-8 7-21 8-9 8-10 12-13 12-14 12-15
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 13-16 13-20 16-17 17-18 18-19 19-20
exact/norm bonds :
1-12 4-7 7-21 8-9 8-10 12-13 12-14 12-15 13-16 13-20 16-17 17-18 18-19
19-20
exact bonds :
5-8
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

G1:O,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
12:CLASS 13:Atom 14:CLASS 15:CLASS 16:Atom 17:Atom 18:CLASS 19:Atom
20:Atom 21:CLASS

L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

=> d l1
L1 HAS NO ANSWERS
L1 STR

10/808.027

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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=> s l1 sss sam
SAMPLE SEARCH INITIATED 15:54:27 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     14 TO ITERATE

100.0% PROCESSED      14 ITERATIONS                                4 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           56 TO      504
PROJECTED ANSWERS:               4 TO      200

L3            4 SEA SSS SAM L1

=> d scan
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L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, diethyl ester (9CI)
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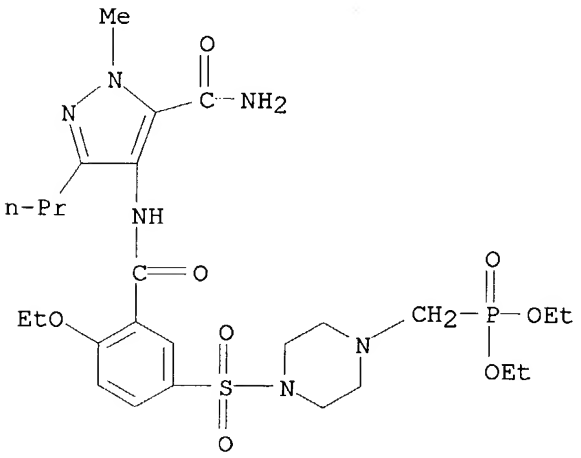
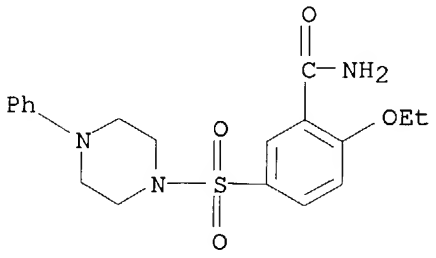


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

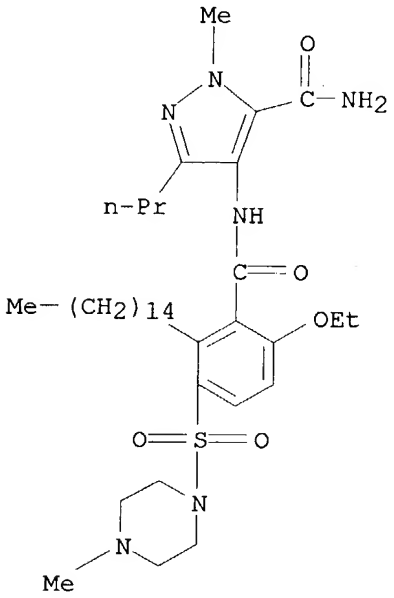
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Benzamide, 2-ethoxy-5-[(4-phenyl-1-piperazinyl)sulfonyl]- (9CI)
MF C19 H23 N3 O4 S



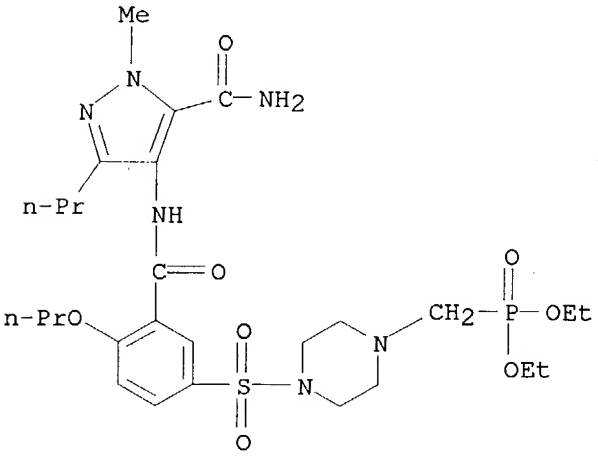
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1H-Pyrazole-5-carboxamide, 4-[[6-ethoxy-3-[(4-methyl-1-piperazinyl)sulfonyl]-2-pentadecylbenzoyl]amino]-1-methyl-3-propyl- (9CI)
MF C37 H62 N6 O5 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, diethyl ester (9CI)
MF C27 H43 N6 O8 P S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

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=> s l1 sss ful
FULL SEARCH INITIATED 15:54:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    234 TO ITERATE

100.0% PROCESSED     234 ITERATIONS                          58 ANSWERS
SEARCH TIME: 00.00.01

L4           58 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                             155.84     156.05

FILE 'CAPLUS' ENTERED AT 15:55:00 ON 21 SEP 2004
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FILE COVERS 1907 - 21 Sep 2004  VOL 141 ISS 13
FILE LAST UPDATED: 20 Sep 2004  (20040920/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

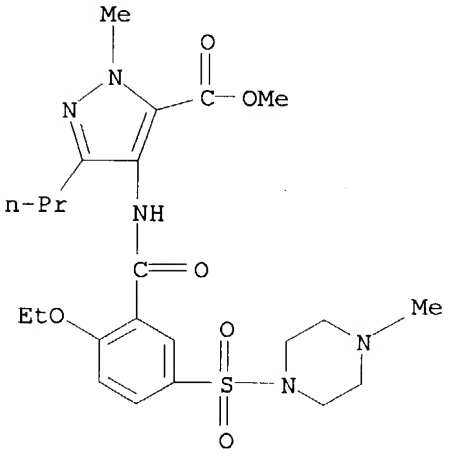

=> s l4
L5           27 L4

=> d l5 1-27 bib hitstr
```

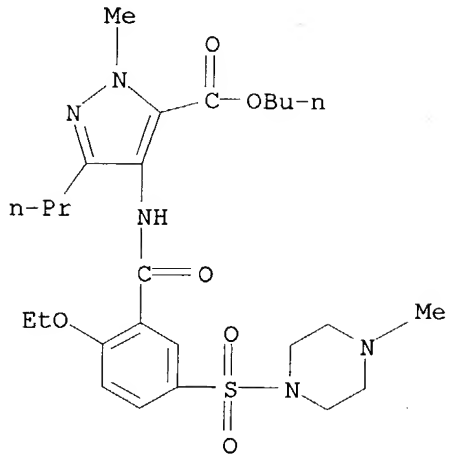
L5 ANSWER 1 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:662568 CAPLUS
DN 141:140462
TI A process for the preparation of sildenafil and its intermediates
IN Cepanec, Ivica; Litvic, Mladen; Ljubic, Goranka; Mikuldas, Hrvoje; Mikotic-Mihun, Zvonimira
PA Belupo - Lijekovi i Kozmetika D.O.O., Croatia
SO Croat. Pat. Appl., 10 pp.
CODEN: HRXXB9
DT Patent
LA Croatian
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI HR 2000000279	A1	20011231	HR 2000-279	20000509
PRAI HR 2000-279		20000509		

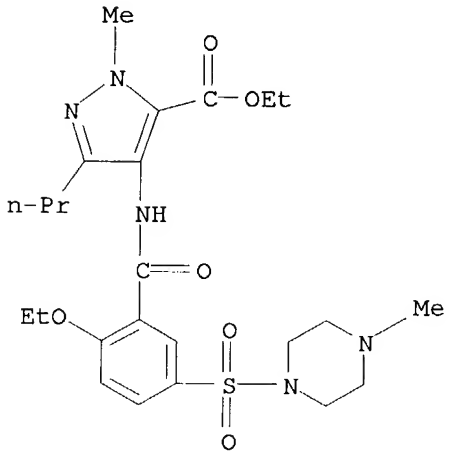
OS MARPAT 141:140462
IT **727408-29-9P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(target intermediate; preparation of sildenafil via heterocyclization of intermediate (N-pyrazolyl)benzamide derivs.)
RN 727408-29-9 CAPLUS
CN 1H-Pyrazole-5-carboxylic acid, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl-, methyl ester (9CI) (CA INDEX NAME)



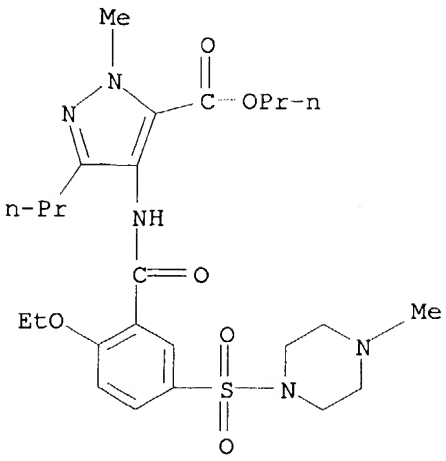
IT **727408-30-2P 727408-31-3P 727408-32-4P**
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(target intermediate; preparation of sildenafil via heterocyclization of intermediate (N-pyrazolyl)benzamide derivs.)
RN 727408-30-2 CAPLUS
CN 1H-Pyrazole-5-carboxylic acid, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl-, butyl ester (9CI) (CA INDEX NAME)



RN 727408-31-3 CAPLUS
CN 1H-Pyrazole-5-carboxylic acid, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 727408-32-4 CAPLUS
CN 1H-Pyrazole-5-carboxylic acid, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl-, propyl ester (9CI) (CA INDEX NAME)


Me
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OPr-n
n-Pr
NH
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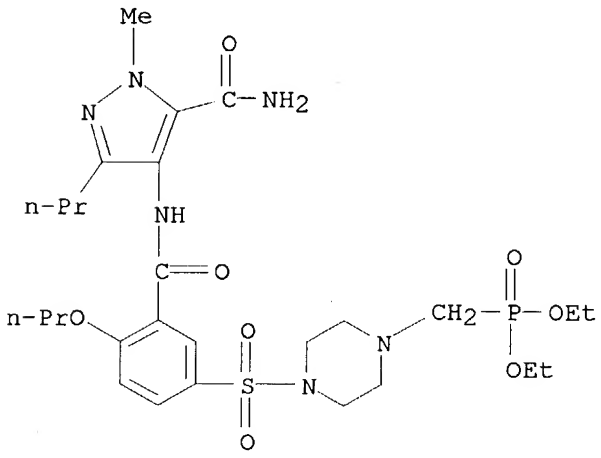
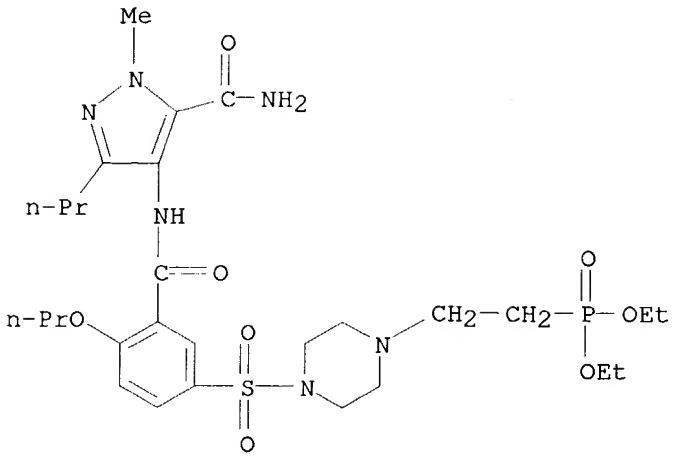
EtO
O
S
O
N
N
Me

L5 ANSWER 2 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:303269 CAPLUS
DN 141:71608
TI Synthesis and phosphodiesterase 5 inhibitory activity of new sildenafil analogues containing a phosphonate group in the 5'-sulfonamide moiety of phenyl ring
AU Kim, Dae-Kee; Lee, Ju Young; Park, Hyun-Ju; Thai, Khac Minh
CS College of Pharmacy, Ewha Womans University, Seoul, 120-750, S. Korea
SO Bioorganic & Medicinal Chemistry Letters (2004), 14(9), 2099-2103
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science B.V.
DT Journal
LA English
IT **374776-53-1P 712349-25-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization reaction of piperazinyl phosphonate chlorosulfonyl derivs. to give sildenafil analogs)
RN 374776-53-1 CAPLUS
CN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 712349-25-2 CAPLUS
CN Phosphonic acid, [2-[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-1-piperazinyl]ethyl]-, diethyl ester (9CI) (CA INDEX NAME)

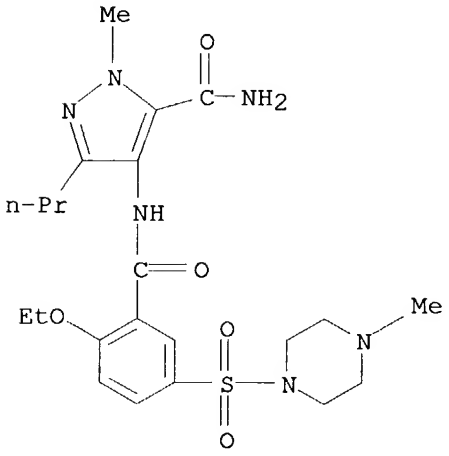


RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:964753 CAPLUS
DN 139:395941
TI Preparation of sildenafil
IN Pang, Yuhua; Wang, Ning; Wang, Xiaoyan; Qi, Shangzhong; Fu, Heliang
PA Tianpu Biochemical Pharmaceuticals Factory, Changzhou, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 11 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1358722	A	20020717	CN 2001-124175	20010821
PRAI	CN 2001-124175		20010821		

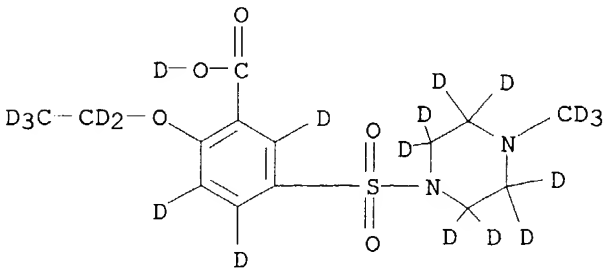
OS CASREACT 139:395941
IT **200575-15-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of sildenafil)
RN 200575-15-1 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



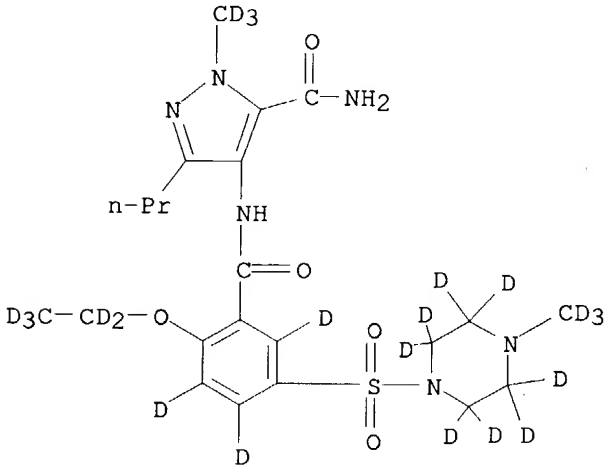
L5 ANSWER 4 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:376548 CAPLUS
DN 138:385450
TI Preparation of perdeuterated pyrazolopyrimidinones, e.g, sildenafil, as inhibitors of thrombocyte adhesion and aggregation for the treatment of heart and cardiovascular diseases
IN Alken, Rudolf-Giesbert
PA Berolina Drug Development AB, Swed.; BDD Group Holding AG
SO PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003039439	A2	20030515	WO 2002-DE4216	20021107
	WO 2003039439	A3	20031016		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10155018	A1	20030710	DE 2001-10155018	20011107
	EP 1444234	A2	20040811	EP 2002-779219	20021107
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
PRAI	DE 2001-10155018	A	20011107		
	WO 2002-DE4216	W	20021107		

OS MARPAT 138:385450
IT **526203-34-9P 526203-36-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of perdeuterated pyrazolopyrimidinones, e.g, sildenafil, as inhibitors of thrombocyte adhesion and aggregation for the treatment of heart and cardiovascular diseases)
RN 526203-34-9 CAPLUS
CN Benzoic-2,4,5-d3 acid-d, 6-(ethoxy-d5)-3-[[4-(methyl-d3)-1-piperazinyl-2,2,3,3,5,5,6,6-d8]sulfonyl]- (9CI) (CA INDEX NAME)



RN 526203-36-1 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[6-(ethoxy-d5)-3-[[4-(methyl-d3)-1-piperazinyl-2,2,3,3,5,5,6,6-d8]sulfonyl]benzoyl-2,4,5-d3]amino]-1-(methyl-d3)-3-propyl- (9CI) (CA INDEX NAME)

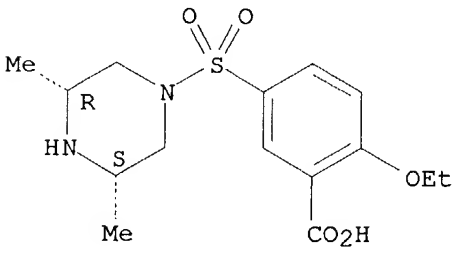


L5 ANSWER 5 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:154433 CAPLUS
DN 138:153550
TI Preparation of pyrazolopyrimidine derivatives for treatment of impotence
IN Liu, Baoshun
PA Peop. Rep. China
SO PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003016313	A1	20030227	WO 2002-CN433	20020621
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CN 1393444	A	20030129	CN 2002-100198	20020118
	CN 1127506	B	20031112		
	EP 1400522	A1	20040324	EP 2002-754139	20020621
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	HK 1053108	A1	20040402	HK 2003-105310	20030723
	US 2004152709	A1	20040805	US 2003-736732	20031216
PRAI	CN 2001-129691	A	20010629		
	CN 2002-100198	A	20020118		
	WO 2002-CN433	W	20020621		

OS CASREACT 138:153550; MARPAT 138:153550
IT **496835-32-6P 496835-34-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrazolopyrimidine derivs. for treatment of impotence)
RN 496835-32-6 CAPLUS
CN Benzoic acid, 5-[[(3R,5S)-3,5-dimethyl-1-piperazinyl]sulfonyl]-2-ethoxy-, rel- (9CI) (CA INDEX NAME)

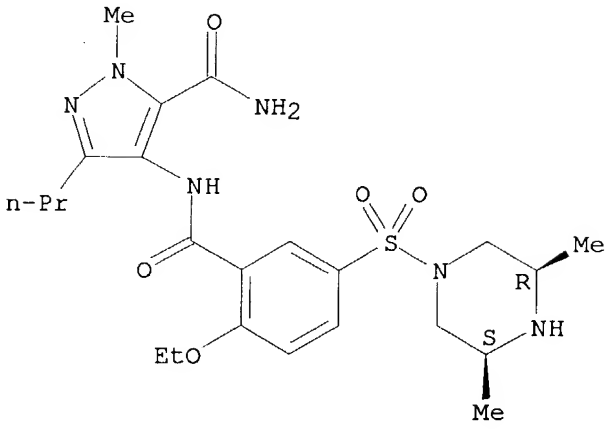
Relative stereochemistry.



RN 496835-34-8 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[5-[[(3R,5S)-3,5-dimethyl-1-piperazinyl]sulfonyl]-2-ethoxybenzoyl]amino]-1-methyl-3-propyl-, rel-

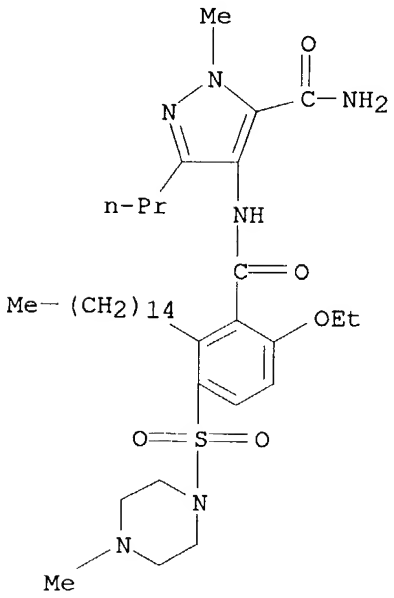
(9CI) (CA INDEX NAME)

Relative stereochemistry.

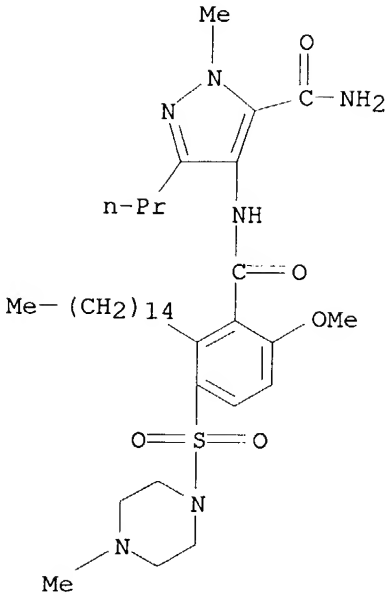


RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:877396 CAPLUS
DN 138:82919
TI Synthesis of Sildenafil Analogues from Anacardic Acid and Their Phosphodiesterase-5 Inhibition
AU Paramashivappa, R.; Kumar, P. Phani; Rao, P. V. Subba; Rao, A. Srinivasa
CS Vittal Mallya Scientific Research Foundation, Bangalore, 560 004, India
SO Journal of Agricultural and Food Chemistry (2002), 50(26), 7709-7713
CODEN: JAFCAU; ISSN: 0021-8561
PB American Chemical Society
DT Journal
LA English
OS CASREACT 138:82919
IT **485386-88-7P 485387-01-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of sildenafil analogs from anacardic acid and their phosphodiesterase-5 inhibition)
RN 485386-88-7 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[6-ethoxy-3-[(4-methyl-1-piperazinyl)sulfonyl]-2-pentadecylbenzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



RN 485387-01-7 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[6-methoxy-3-[(4-methyl-1-piperazinyl)sulfonyl]-2-pentadecylbenzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

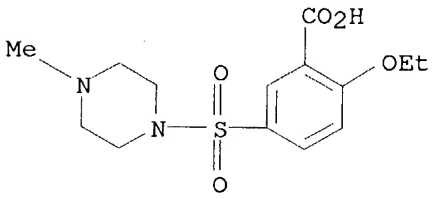


RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

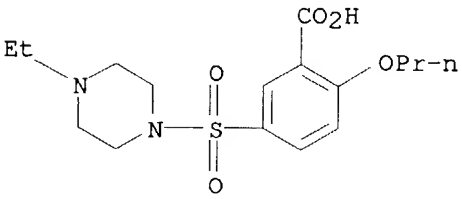
L5 ANSWER 7 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:717099 CAPLUS
DN 137:232668
TI Preparation of pyrazolopyridopyrimidines as cGMP phosphodiesterase inhibitors
IN Macor, John E.; Bi, Yingzhi
PA Bristol-Myers Squibb Co., USA
SO U.S. Pat. Appl. Publ., 14 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002133008	A1	20020919	US 2001-809946	20010316
	US 6642244	B2	20031104		
PRAI	US 2001-809946		20010316		

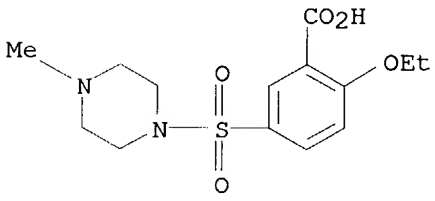
OS MARPAT 137:232668
IT **194602-23-8 215299-79-9**
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pyrazolopyridopyrimidines as cGMP phosphodiesterase inhibitors)
RN 194602-23-8 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 215299-79-9 CAPLUS
CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)



L5 ANSWER 8 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:641077 CAPLUS
DN 138:280726
TI 8-Arylxanthines potent inhibitors of phosphodiesterase 5
AU Arnold, Ruth; Beer, David; Bhalay, Gurdip; Baettig, Urs; Collingwood, Stephen P.; Craig, Sarah; Devereux, Nicholas; Dunstan, Andrew; Glen, Angela; Gomez, Sylvie; Haberthuer, Sandra; Howe, Trevor; Jelfs, Stephen; Moser, Heinz; Naef, Reto; Nicklin, Paul; Sandham, David; Stringer, Rowan; Turner, Katharine; Watson, Simon; Zurini, Mauro
CS Novartis Horsham Research Centre, Horsham, RH12 5AB, UK
SO Bioorganic & Medicinal Chemistry Letters (2002), 12(18), 2587-2590
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 138:280726
IT **194602-23-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(8-arylxanthines as potent inhibitors of phosphodiesterase 5)
RN 194602-23-8 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



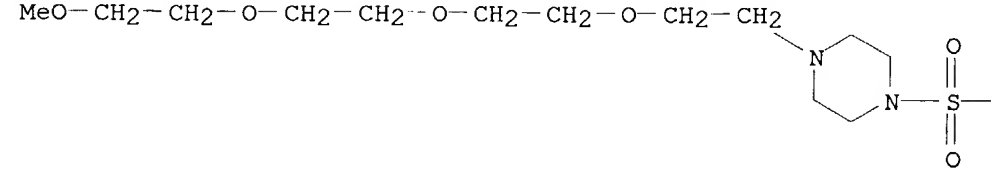
RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:157776 CAPLUS
DN 136:210608
TI Preparation of polyethoxylated pyrazolo-pyrimidinone derivatives and their pharmaceutical compositions for the treatment of impotence
IN Chung, Bong-Youl; Lee, In-Sang; Park, Bong-Jun; Kim, Young-Keun; Kim, Sung-Ji; Yoon, Seung-Hyun
PA LG Chem Investment Ltd., S. Korea
SO PCT Int. Appl., 37 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

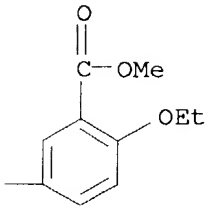
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002016364	A1	20020228	WO 2000-KR951	20000823
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 2000067375	A5	20020304	AU 2000-67375	20000823
PRAI	WO 2000-KR951	A	20000823		

OS MARPAT 136:210608
IT **401796-24-5P 401796-27-8P 401796-31-4P**
401796-32-5P 401796-33-6P 401796-34-7P
401796-35-8P 401796-36-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of polyethoxylated pyrazolo-pyrimidinone derivs. and their pharmaceutical compns. for the treatment of impotence and cardiovascular disorders)
RN 401796-24-5 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[[4-(3,6,9,12-tetraoxatridec-1-yl)-1-piperazinyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

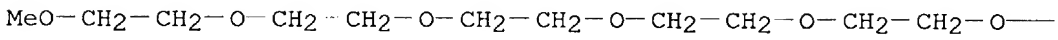


PAGE 1-B

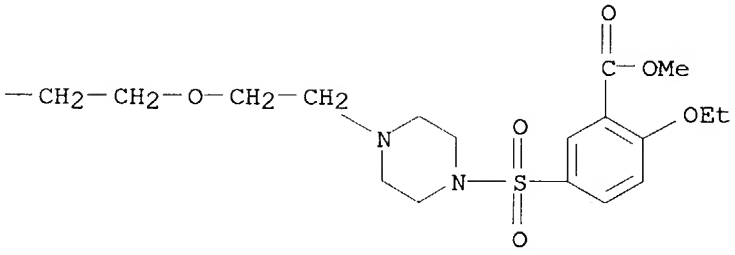


RN 401796-27-8 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[[4-(3,6,9,12,15,18,21-heptaoxadocos-1-yl)-1-piperazinyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

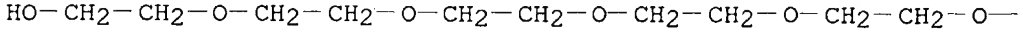


PAGE 1-B

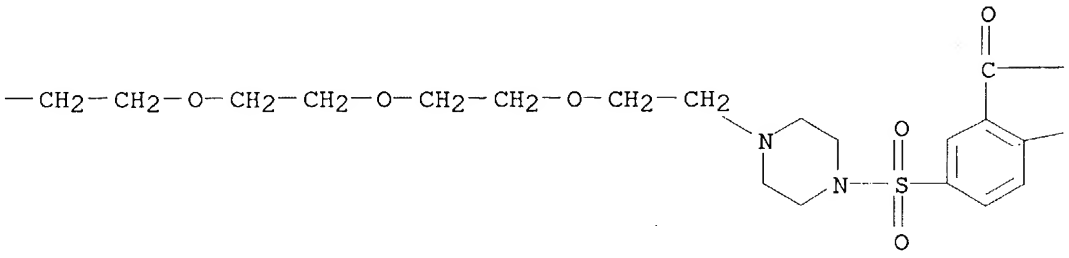


RN 401796-31-4 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[[4-(26-hydroxy-3,6,9,12,15,18,21,24-octaoxahexacos-1-yl)-1-piperazinyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

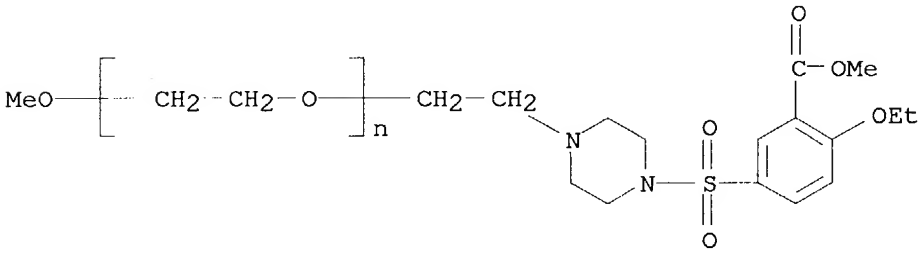


PAGE 1-C

— OMe

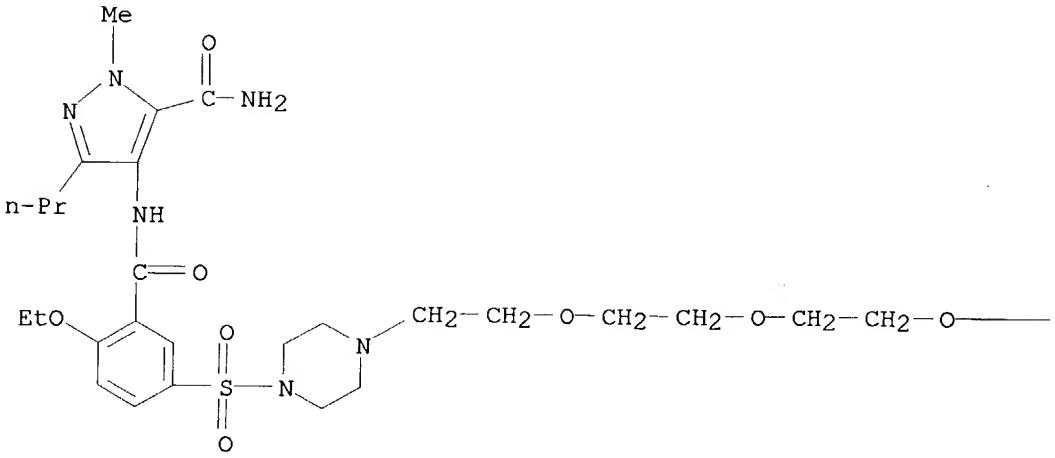
OEt

RN 401796-32-5 CAPLUS
CN Poly(oxy-1,2-ethanediyl), α-[2-[4-[[4-ethoxy-3-(methoxycarbonyl)phenyl]sulfonyl]-1-piperazinyl]ethyl]-ω-methoxy- (9CI) (CA INDEX NAME)



RN 401796-33-6 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[[4-(3,6,9,12-tetraoxatridec-1-yl)-1-piperazinyl]sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

PAGE 1-A

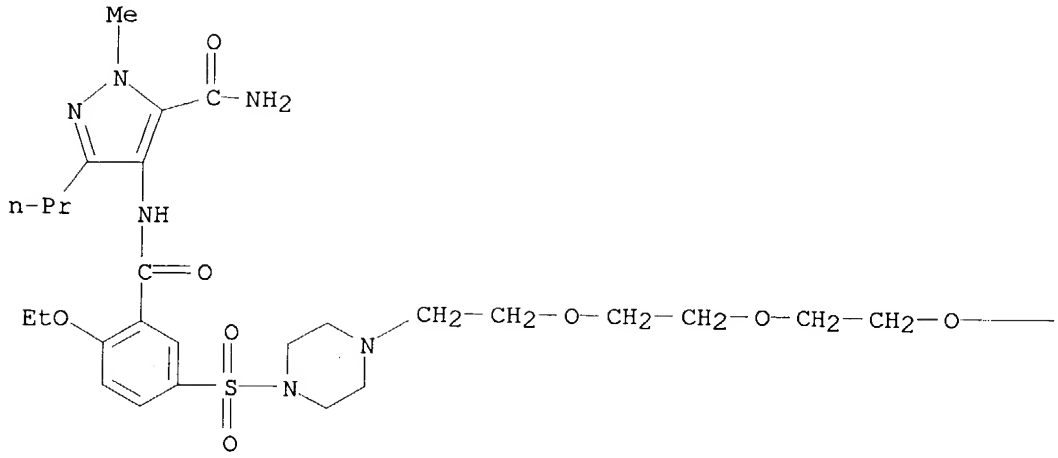


PAGE 1-B

—CH_2—CH_2—OMe

RN 401796-34-7 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[[4-(3,6,9,12,15,18,21-heptaoxadocos-1-yl)-1-piperazinyl]sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

PAGE 1-A

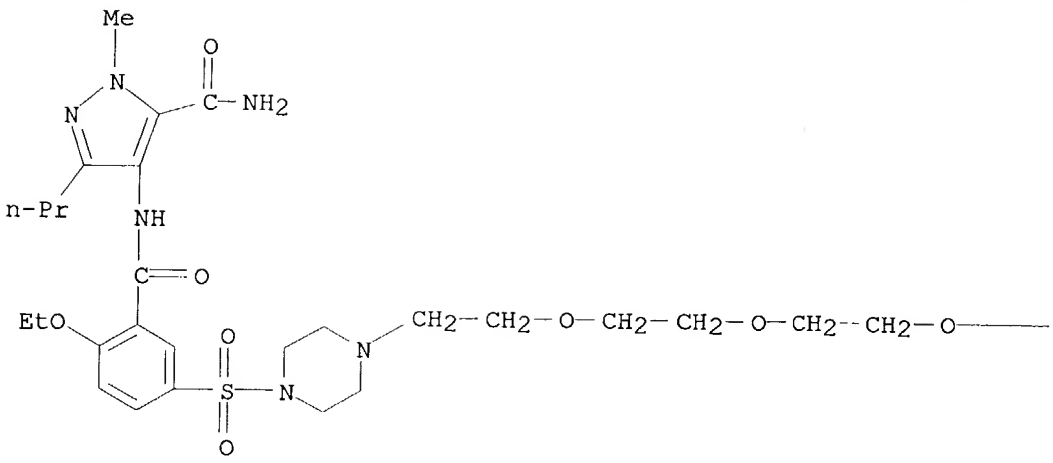


PAGE 1-B

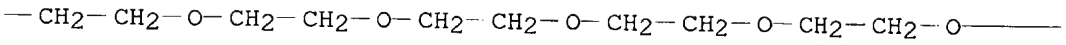
— CH_2— CH_2— O— CH_2— CH_2— O— CH_2— CH_2— O— CH_2— CH_2— OMe

RN 401796-35-8 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[[4-(26-hydroxy-3,6,9,12,15,18,21,24-octaoxahexacos-1-yl)-1-piperazinyl]sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



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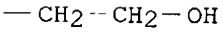
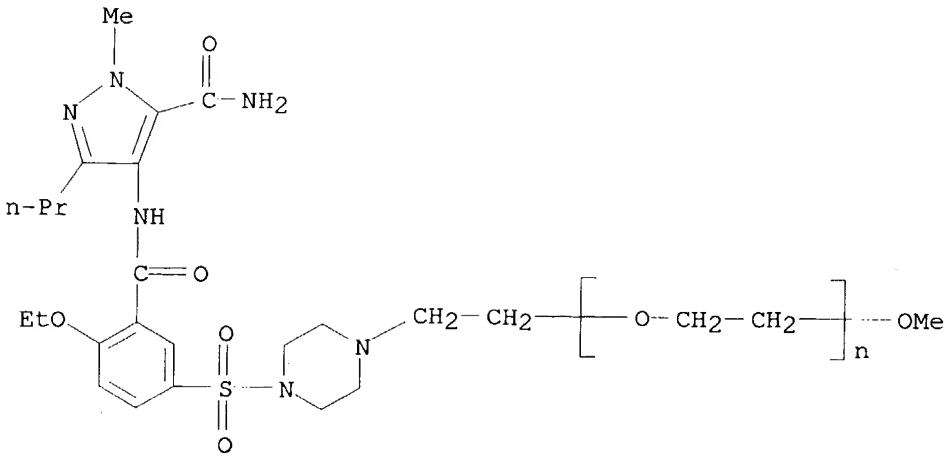


RN 401796-36-9 CAPLUS
CN Poly(oxy-1,2-ethanediyl), α-[2-[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-1-piperazinyl]ethyl]-ω-methoxy- (9CI) (CA INDEX NAME)

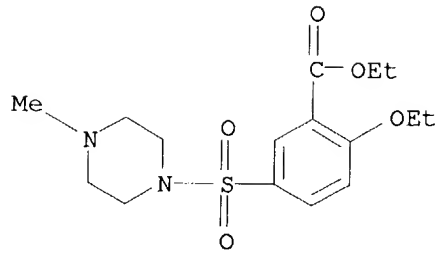


RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

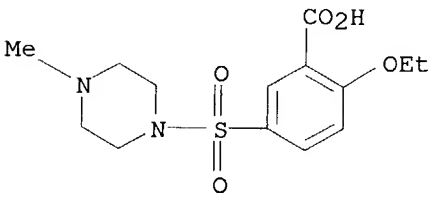
L5 ANSWER 10 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:935606 CAPLUS
DN 136:53761
TI Novel process for the preparation of pyrazolopyrimidinones
IN Bunnage, Mark Edward; Levett, Philip Charles; Thomson, Nicholas Murray
PA Pfizer Limited, UK; Pfizer Inc.
SO PCT Int. Appl., 63 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001098303	A1	20011227	WO 2001-IB1038	20010607
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 2001062592	A5	20020102	AU 2001-62592	20010607
	EP 1296983	A1	20030402	EP 2001-936729	20010607
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2001011864	A	20030701	BR 2001-11864	20010607
	JP 2004501154	T2	20040115	JP 2002-504259	20010607
	US 2002013465	A1	20020131	US 2001-886643	20010621
	US 6730786	B2	20040504		
	ZA 2002010276	A	20031219	ZA 2002-10276	20021219
	US 2004110948	A1	20040610	US 2003-724805	20031201
PRAI	GB 2000-15462	A	20000622		
	GB 2001-5878	A	20010309		
	US 2000-217794P	P	20000712		
	US 2001-291026P	P	20010516		
	WO 2001-IB1038	W	20010607		
	US 2001-886643	A3	20010621		

OS CASREACT 136:53761; MARPAT 136:53761
IT **304435-84-5P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(novel process for the preparation of pyrazolopyrimidinones)
RN 304435-84-5 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



IT **194602-23-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(novel process for the preparation of pyrazolopyrimidinones)
RN 194602-23-8 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

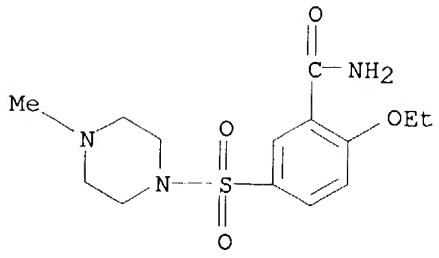


RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

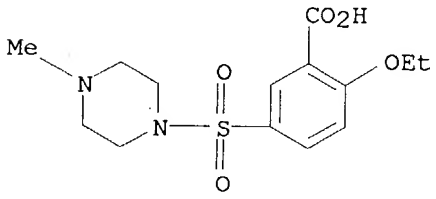
L5 ANSWER 11 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:935589 CAPLUS
DN 136:69817
TI Process for the preparation of pyrazolopyrimidinones (e.g. Sildenafil) by cyclocondensation of benzimidates with aminopyrazolecarboxamides.
IN Dunn, Peter James; Dunne, Catherine
PA Pfizer Limited, UK; Pfizer Inc.
SO PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001098284	A1	20011227	WO 2001-IB1050	20010611
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1292586	A1	20030319	EP 2001-936737	20010611
	EP 1292586	B1	20040804		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2001011581	A	20030325	BR 2001-11581	20010611
	JP 2004501142	T2	20040115	JP 2002-504240	20010611
	AT 272626	E	20040815	AT 2001-936737	20010611
	US 2002013464	A1	20020131	US 2001-886269	20010621
	US 6667398	B2	20031223		
	ZA 2002010274	A	20031219	ZA 2002-10274	20021219
	US 2004106796	A1	20040603	US 2003-723659	20031125
PRAI	GB 2000-15472	A	20000622		
	GB 2001-5857	A	20010309		
	US 2000-217769P	P	20000712		
	US 2001-291100P	P	20010516		
	WO 2001-IB1050	W	20010611		
	US 2001-886269	A3	20010621		

OS CASREACT 136:69817; MARPAT 136:69817
IT **383427-87-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; process for preparation of pyrazolopyrimidinones (e.g. Sildenafil) by cyclocondensation of benzimidates with aminopyrazolecarboxamides)
RN 383427-87-0 CAPLUS
CN Benzamide, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



IT **194602-23-8**, 2-Ethoxy-5-(4-methyl-1-piperazinylsulfonyl)benzoic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; process for preparation of pyrazolopyrimidinones (e.g. Sildenafil) by cyclocondensation of benzimidates with aminopyrazolecarboxamides)
RN 194602-23-8 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



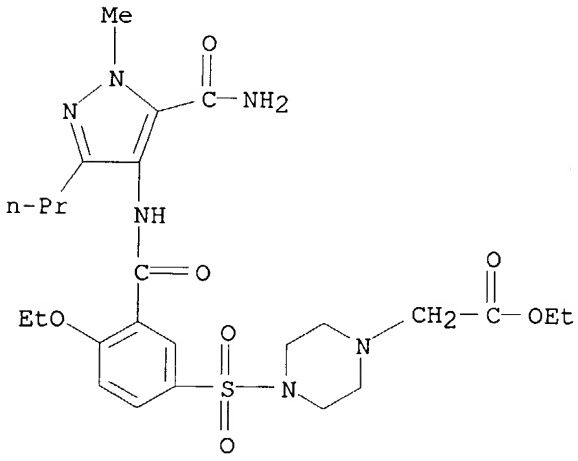
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:851163 CAPLUS
DN 136:6002
TI Preparation of pyrazolopyrimidinones as PDE V inhibitors
IN Kim, Dae-Kee; Lee, Ju Young; Lee, Nam Kyu; Ryu, Do Hyun; Kim, Jae-Sun; Choi, Jin Young; Lee, Suk Ho; Im, Guang-Jin; Cha, Hoon; Kim, Tae Kon; Kim, Key Hyup
PA SK Chemicals Co., Ltd., S. Korea
SO PCT Int. Appl., 100 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001087888	A1	20011122	WO 2000-KR480	20000517

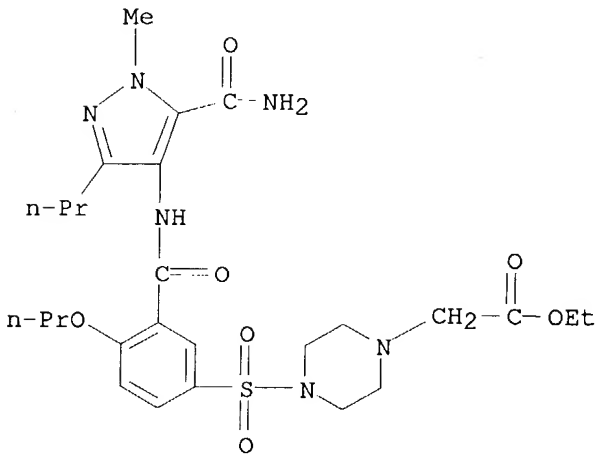
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI WO 2000-KR480 20000517
OS MARPAT 136:6002
IT **374776-43-9P 374776-44-0P 374776-45-1P 374776-46-2P 374776-50-8P 374776-51-9P 374776-52-0P 374776-53-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrazolopyrimidinones as PDE V inhibitors)
RN 374776-43-9 CAPLUS
CN 1-Piperazineacetic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

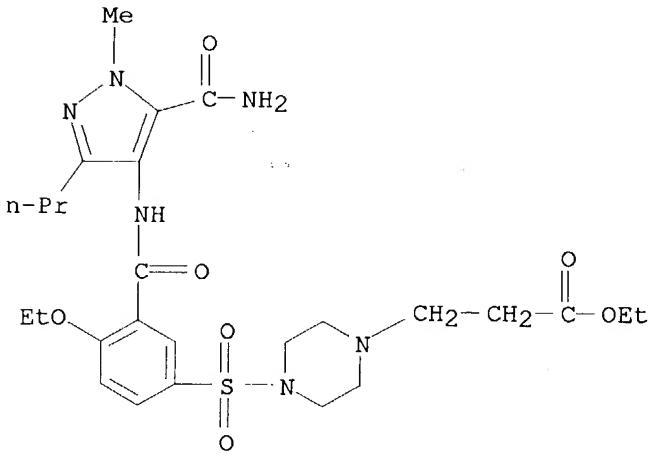


RN 374776-44-0 CAPLUS

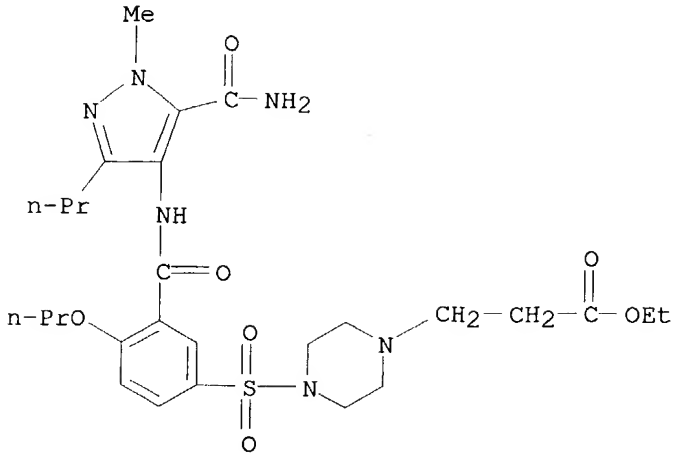
CN 1-Piperazineacetic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



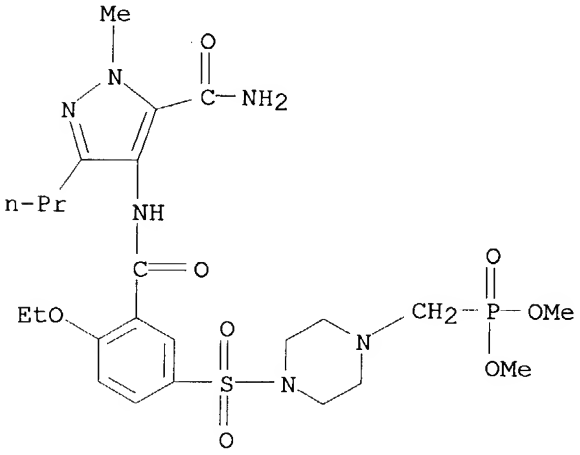
RN 374776-45-1 CAPLUS
CN 1-Piperazinepropanoic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



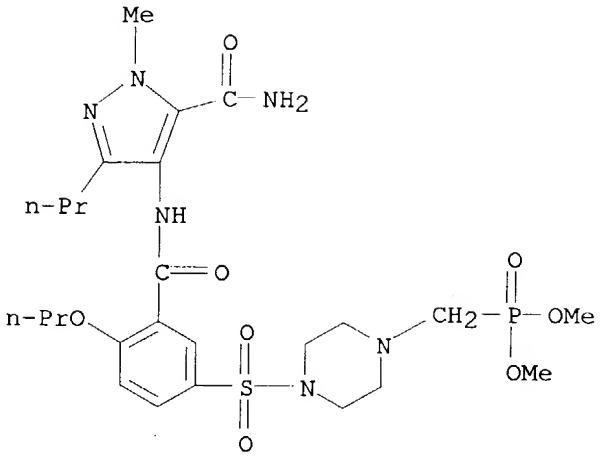
RN 374776-46-2 CAPLUS
CN 1-Piperazinepropanoic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



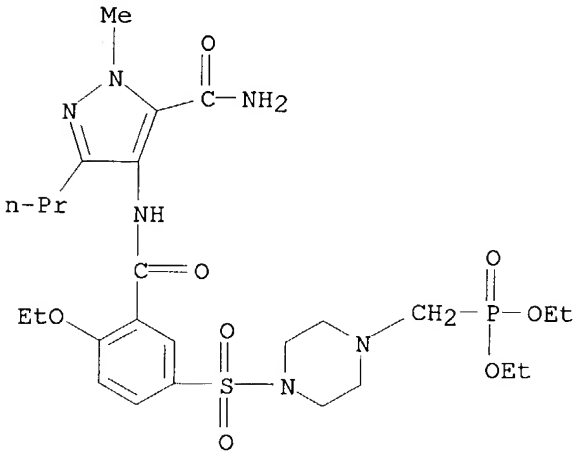
RN 374776-50-8 CAPLUS
CN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, dimethyl ester (9CI) (CA INDEX NAME)



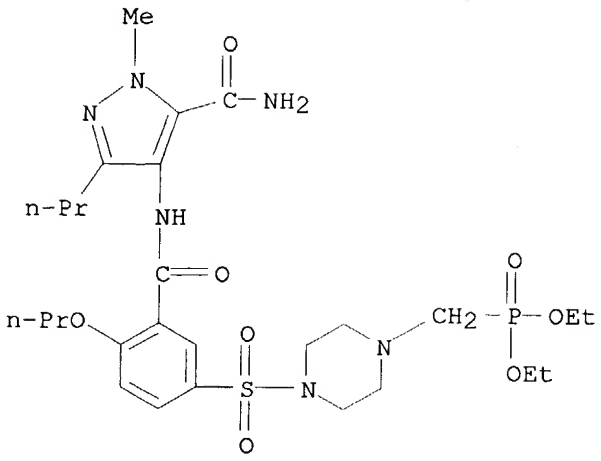
RN 374776-51-9 CAPLUS
CN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, dimethyl ester (9CI) (CA INDEX NAME)



RN 374776-52-0 CAPLUS
CN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

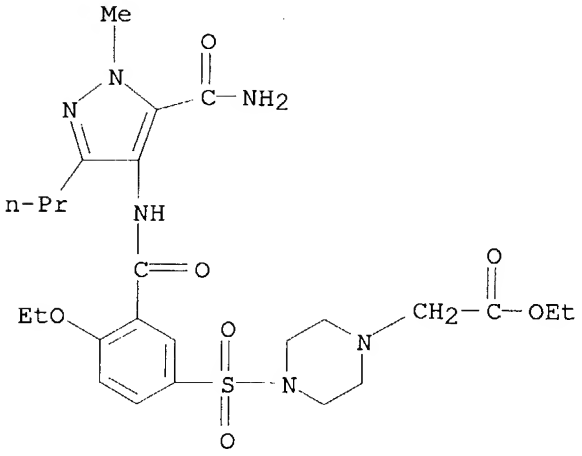


RN 374776-53-1 CAPLUS
CN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

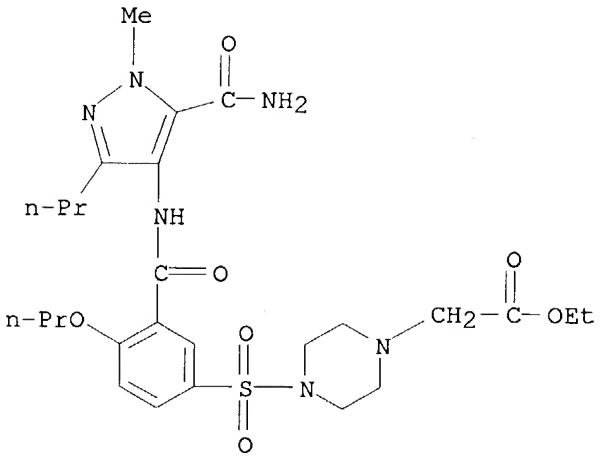


RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

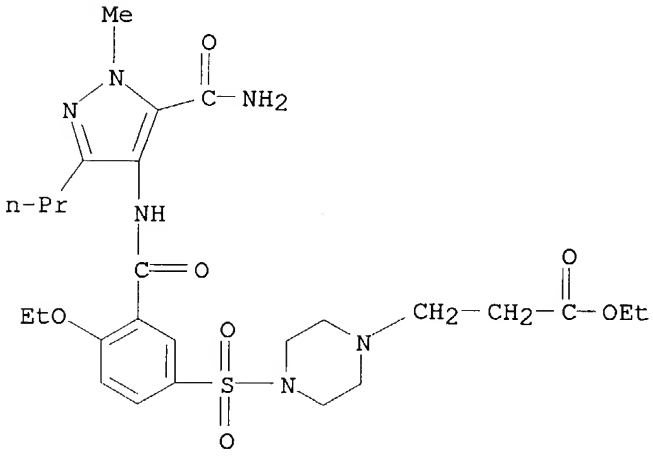
L5 ANSWER 13 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:845790 CAPLUS
DN 136:183784
TI Synthesis and phosphodiesterase inhibitory activity of new sildenafil analogs containing a carboxylic acid group in the 5'-sulfonamide moiety of the phenyl ring
AU Kim, Dae-Kee; Lee, Ju Young; Lee, Namkyu; Ryu, Do Hyun; Kim, Jae-Sun; Lee, Sukho; Choi, Jin-Young; Ryu, Je-Ho; Kim, Nam-Ho; Im, Guang-Jin; Choi, Won-Son; Kim, Tae-Kon
CS Life Science Research Center, SK Chemicals, Suwon-Si, 440-745, S. Korea
SO Bioorganic & Medicinal Chemistry (2001), 9(11), 3013-3021
CODEN: BMECEP; ISSN: 0968-0896
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 136:183784
IT **374776-43-9P 374776-44-0P 374776-45-1P**
374776-46-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and phosphodiesterase inhibitory activity of sildenafil analogs containing a carboxylic acid group in 5'-sulfonamide moiety of Ph ring)
RN 374776-43-9 CAPLUS
CN 1-Piperazineacetic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



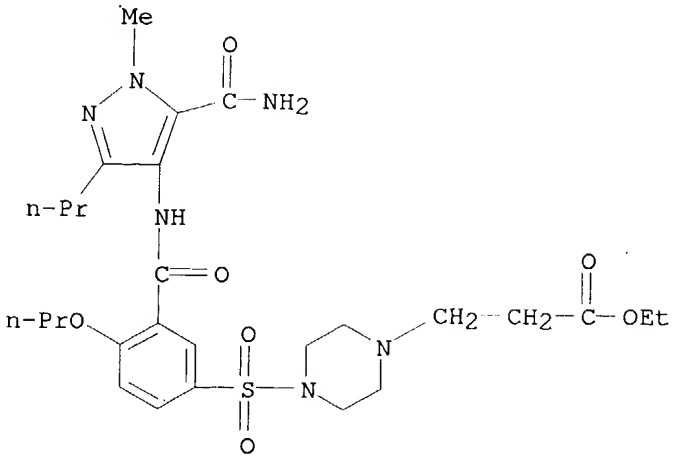
RN 374776-44-0 CAPLUS
CN 1-Piperazineacetic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 374776-45-1 CAPLUS
CN 1-Piperazinepropanoic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 374776-46-2 CAPLUS
CN 1-Piperazinepropanoic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

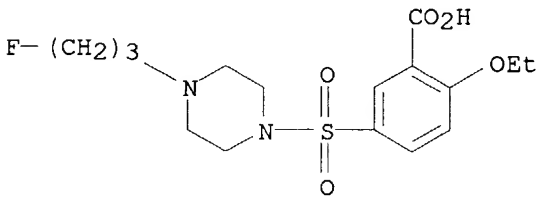


RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:618004 CAPLUS
DN 135:195571
TI Preparation of pyrrolopyrimidinones as cGMP PDE V inhibitors
IN Kim, Dae-Kee; Lee, Ju Young; Ryu, Do Hyun; Lee, Nam Kyu; Lee, Suk Ho; Kim, Nam-Ho; Kim, Jae-Sun; Ryu, Je Ho; Choi, Jin-Young; Im, Guang-Jin; Choi, Won-Son; Kim, Tae Kon; Cha, Hoon
PA SK Chemicals Co., Ltd., S. Korea; In2Gen Co., Ltd.
SO PCT Int. Appl., 190 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001060825	A1	20010823	WO 2001-KR227	20010215
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1257553	A1	20021120	EP 2001-908397	20010215
	EP 1257553	B1	20040526		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2001008395	A	20030311	BR 2001-8395	20010215
	JP 2003523344	T2	20030805	JP 2001-560209	20010215
	NZ 520842	A	20040430	NZ 2001-520842	20010215
	AT 267829	E	20040615	AT 2001-908397	20010215
	EP 1362858	A1	20031119	EP 2002-10869	20020515
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	NO 2002003823	A	20021009	NO 2002-3823	20020813
	US 2003171361	A1	20030911	US 2002-204327	20021202
PRAI	KR 2000-7625	A	20000217		
	WO 2001-KR227	W	20010215		

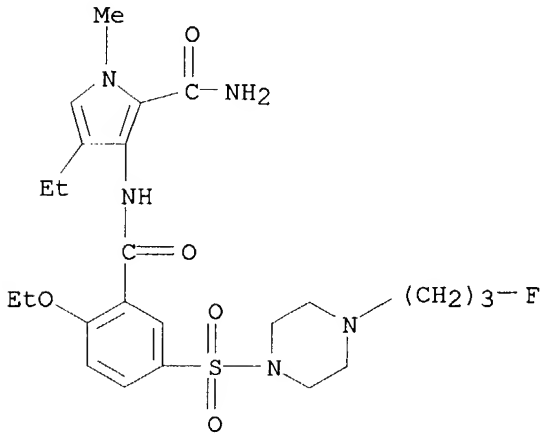
OS MARPAT 135:195571
IT **356045-69-7**
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pyrrolopyrimidinones as cGMP PDE V inhibitors)
RN 356045-69-7 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[[4-(3-fluoropropyl)-1-piperazinyl]sulfonyl]- (9CI) (CA INDEX NAME)



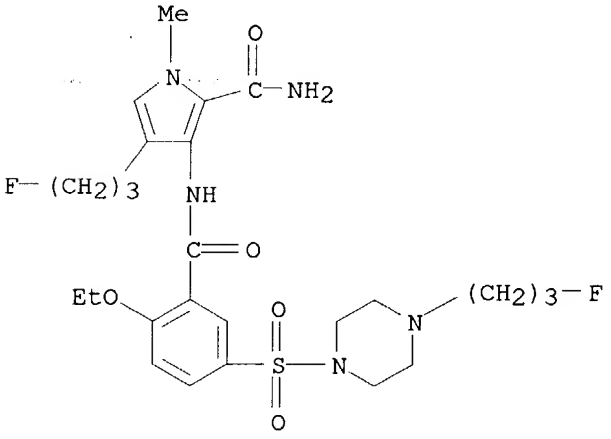
IT **356044-99-0P 356045-00-6P 356045-01-7P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrrolopyrimidinones as cGMP PDE V inhibitors)

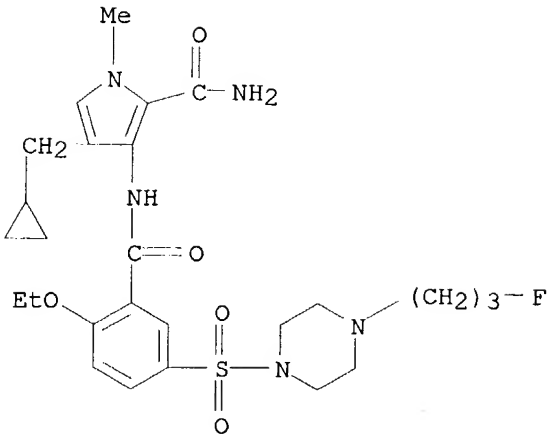
RN 356044-99-0 CAPLUS
CN 1H-Pyrrole-2-carboxamide, 3-[[2-ethoxy-5-[[4-(3-fluoropropyl)-1-piperazinyl]sulfonyl]benzoyl]amino]-4-ethyl-1-methyl- (9CI) (CA INDEX NAME)



RN 356045-00-6 CAPLUS
CN 1H-Pyrrole-2-carboxamide, 3-[[2-ethoxy-5-[[4-(3-fluoropropyl)-1-piperazinyl]sulfonyl]benzoyl]amino]-4-(3-fluoropropyl)-1-methyl- (9CI) (CA INDEX NAME)

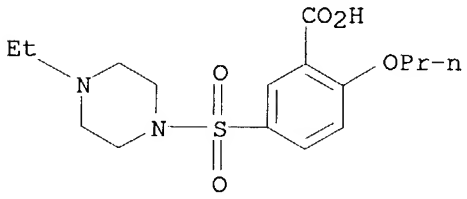


RN 356045-01-7 CAPLUS
CN 1H-Pyrrole-2-carboxamide, 4-(cyclopropylmethyl)-3-[[2-ethoxy-5-[[4-(3-fluoropropyl)-1-piperazinyl]sulfonyl]benzoyl]amino]-1-methyl- (9CI) (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:818584 CAPLUS
DN 134:115917
TI Optimization of Substituted N-3-Benzylimidazoquinazolinone Sulfonamides as Potent and Selective PDE5 Inhibitors
AU Rotella, David P.; Sun, Zhong; Zhu, Yeheng; Krupinski, John; Pongrac, Ronald; Seliger, Laurie; Normandin, Diane; Macor, John E.
CS Departments of Discovery Chemistry and Metabolic and Cardiovascular Drug Discovery, Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ, 08543-5400, USA
SO Journal of Medicinal Chemistry (2000), 43(26), 5037-5043
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
OS CASREACT 134:115917
IT **215299-79-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of substituted N-3-benzylimidazoquinazolinone sulfonamides as potent and selective PDE5 inhibitors)
RN 215299-79-9 CAPLUS
CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)

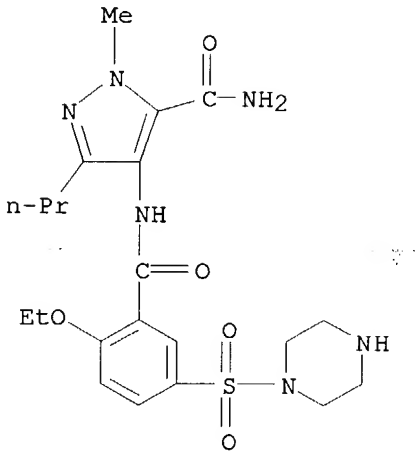


RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

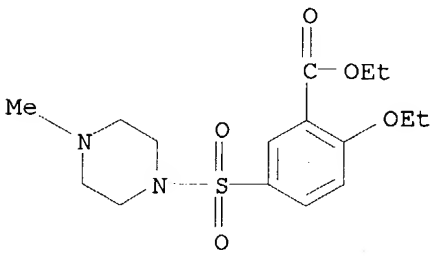
L5 ANSWER 16 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:758131 CAPLUS
DN 133:281797
TI Synthesis of sildenafil
IN Fu, Heliang; Wang, Xiaoyan; Pang, Baohua; Wang, Ning; Ji, Shangzhong
PA Tianpu Biochemical Pharmaceutical Co., Ltd., Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 14 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1246478	A	20000308	CN 1999-109552	19990712
	CN 1092660	B	20021016		
PRAI	CN 1999-109552		19990712		

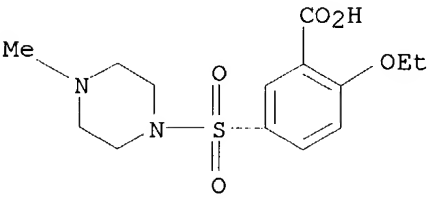
OS CASREACT 133:281797
IT **300547-20-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(Preparation of sildenafil)
RN 300547-20-0 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-(1-piperazinylsulfonyl)benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



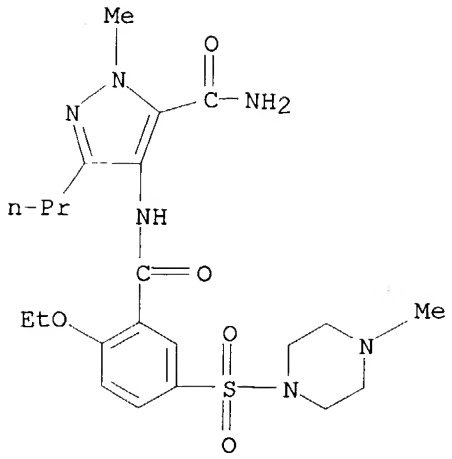
L5 ANSWER 17 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:595512 CAPLUS
DN 133:335213
TI Polymer-supported reagents for multi-step organic synthesis: application to the synthesis of sildenafil
AU Baxendale, I. R.; Ley, S. V.
CS Department of Chemistry, University of Cambridge, Cambridge, CB2 1EW, UK
SO Bioorganic & Medicinal Chemistry Letters (2000), 10(17), 1983-1986
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 133:335213
IT **304435-84-5P**
RL: BYP (Byproduct); PREP (Preparation)
(polymer-supported reagents for the synthesis of sildenafil)
RN 304435-84-5 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



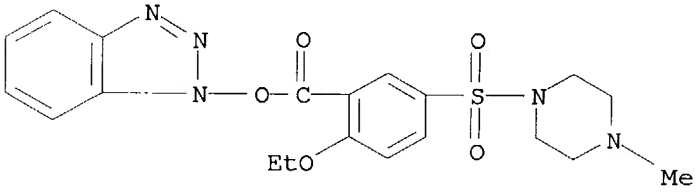
IT **194602-23-8P 200575-15-1P 304435-85-6DP,**
polymer-supported
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(polymer-supported reagents for the synthesis of sildenafil)
RN 194602-23-8 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 200575-15-1 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



RN 304435-85-6 CAPLUS
CN Piperazine, 1-[[3-[(1H-benzotriazol-1-yloxy)carbonyl]-4-ethoxyphenyl]sulfonyl]-4-methyl- (9CI) (CA INDEX NAME)

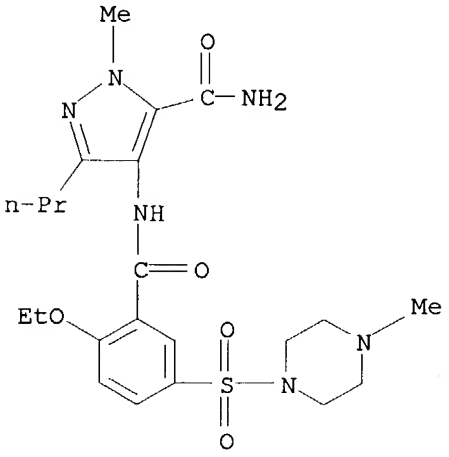


RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 18 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:351203 CAPLUS
DN 132:347588
TI An improved process for preparing a therapeutically active pyrazolopyrimidinone derivative (sildenafil)
IN Chaudhari, Deoram Totaram; Deshpande, Pandurang Balwantrao; Khan, Rashid Abdul Rehman
PA Orchid Chemicals & Pharmaceuticals Ltd., India
SO Eur. Pat. Appl., 17 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1002798	A1	20000524	EP 1998-122031	19981120
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI EP 1998-122031		19981120		

OS CASREACT 132:347588
IT **200575-15-1P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(improved process for preparing a therapeutically active pyrazolopyrimidinone derivative (sildenafil))
RN 200575-15-1 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

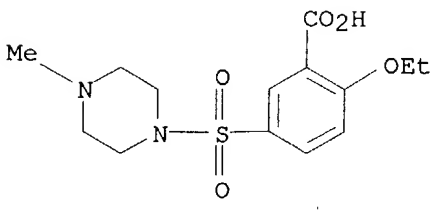


RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 19 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:291043 CAPLUS
DN 132:308353
TI Preparation of pyrazolopyrimidinones as cGMP phosphodiesterase inhibitors
IN Bunnage, Mark Edward; Maw, Graham Nigel; Rawson, David James; Wood, Anthony; Mathias, John Paul; Street, Stephen Derek Albert
PA Pfizer Limited, UK; Pfizer Inc.
SO PCT Int. Appl., 197 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000024745	A1	20000504	WO 1999-IB1706	19991019
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9959956	A1	20000515	AU 1999-59956	19991019
	BR 9915532	A	20010814	BR 1999-15532	19991019
	EP 1123296	A1	20010816	EP 1999-970992	19991019
	EP 1123296	B1	20030917		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002528456	T2	20020903	JP 2000-578315	19991019
	AT 250063	E	20031015	AT 1999-970992	19991019
	PT 1123296	T	20031231	PT 1999-970992	19991019
	ES 2205945	T3	20040501	ES 1999-970992	19991019
	US 6333330	B1	20011225	US 1999-426554	19991022
PRAI	GB 1998-23101	A	19981023		
	GB 1998-23102	A	19981023		
	WO 1999-IB1706	W	19991019		

OS MARPAT 132:308353
IT **194602-23-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pyrazolopyrimidinones as cGMP phosphodiesterase inhibitors)
RN 194602-23-8 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

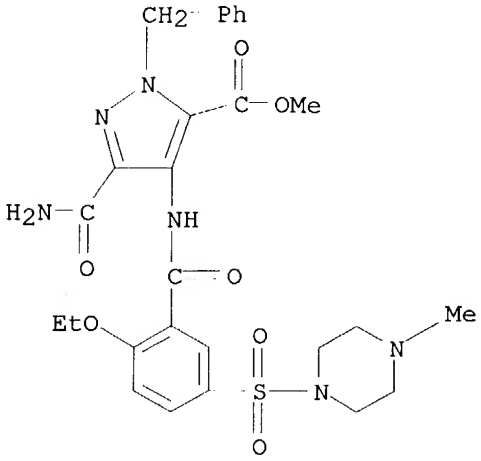


IT **265663-85-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)
(preparation of pyrazolopyrimidinones as cGMP phosphodiesterase inhibitors)

RN 265663-85-2 CAPLUS

CN 1H-Pyrazole-5-carboxylic acid, 3-(aminocarbonyl)-4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-(phenylmethyl)-, methyl ester (9CI) (CA INDEX NAME)

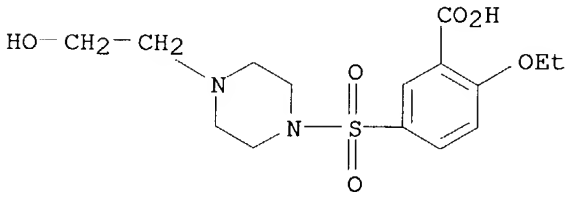


RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

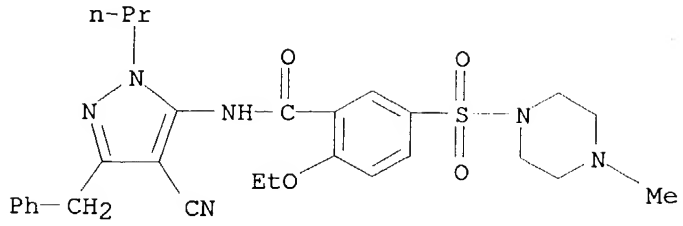
L5 ANSWER 20 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:277701 CAPLUS
DN 132:293775
TI Preparation of pyrazolopyrimidinones as cGMP PDE5 inhibitors for the treatment of sexual dysfunction
IN Bunnage, Mark Edward; Street, Stephen Derek Albert; Mathias, John Paul; Wood, Anthony
PA Pfizer Inc., USA; Pfizer Limited
SO Eur. Pat. Appl., 40 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 995751	A2	20000426	EP 1999-308158	19991015
	EP 995751	A3	20001018		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	BR 9905109	A	20000926	BR 1999-5109	19991022
	US 6407114	B1	20020618	US 1999-425095	19991022
	JP 2000128884	A2	20000509	JP 1999-302064	19991025
	MX 9909816	A	20000630	MX 1999-9816	19991025
PRAI	GB 1998-23103	A	19981023		

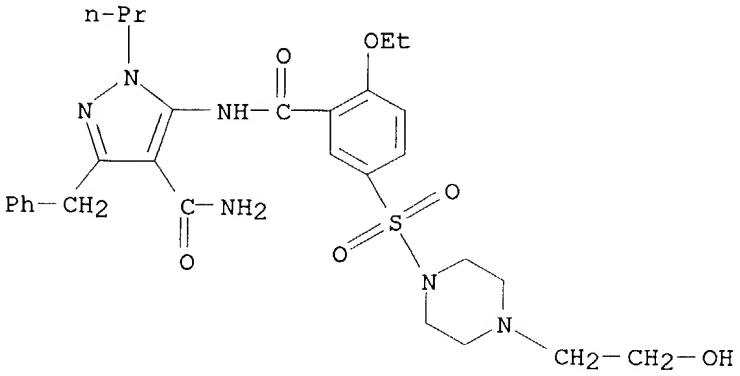
OS MARPAT 132:293775
IT **264920-20-9P 264920-22-1P 264920-23-2P**
264920-24-3P 264920-25-4P 264920-26-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrazolopyrimidinones as cGMP PDE5 inhibitors for the treatment of sexual dysfunction)
RN 264920-20-9 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[[4-(2-hydroxyethyl)-1-piperazinyl]sulfonyl]- (9CI) (CA INDEX NAME)



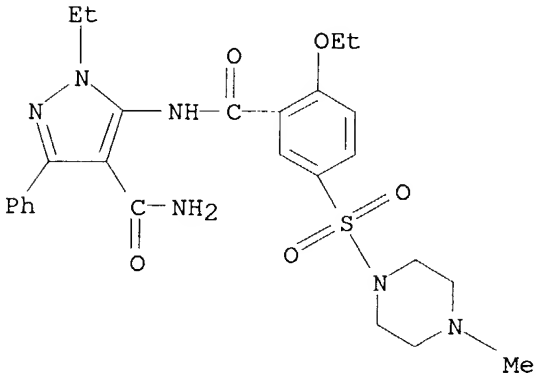
RN 264920-22-1 CAPLUS
CN Benzamide, N-[4-cyano-3-(phenylmethyl)-1-propyl-1H-pyrazol-5-yl]-2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



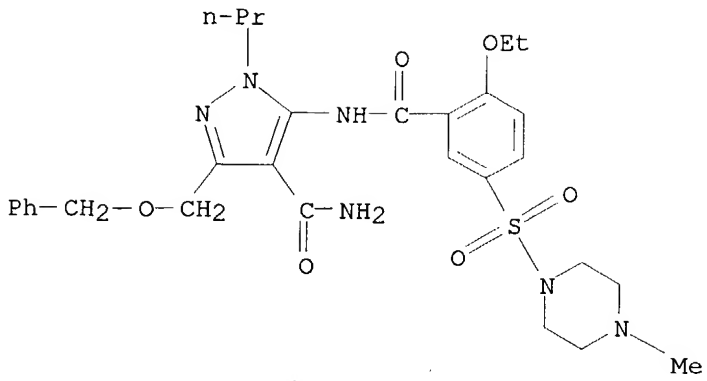
RN 264920-23-2 CAPLUS
CN 1H-Pyrazole-4-carboxamide, 5-[[2-ethoxy-5-[[4-(2-hydroxyethyl)-1-piperazinyl]sulfonyl]benzoyl]amino]-3-(phenylmethyl)-1-propyl- (9CI) (CA INDEX NAME)



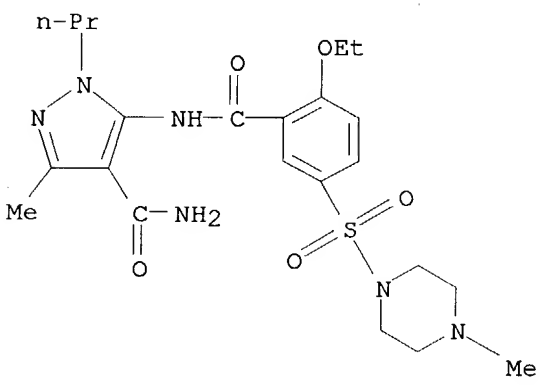
RN 264920-24-3 CAPLUS
CN 1H-Pyrazole-4-carboxamide, 5-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-ethyl-3-phenyl- (9CI) (CA INDEX NAME)



RN 264920-25-4 CAPLUS
CN 1H-Pyrazole-4-carboxamide, 5-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-3-[(phenylmethoxy)methyl]-1-propyl- (9CI) (CA INDEX NAME)



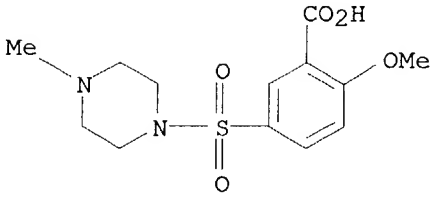
RN 264920-26-5 CAPLUS
CN 1H-Pyrazole-4-carboxamide, 5-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-3-methyl-1-propyl- (9CI) (CA INDEX NAME)



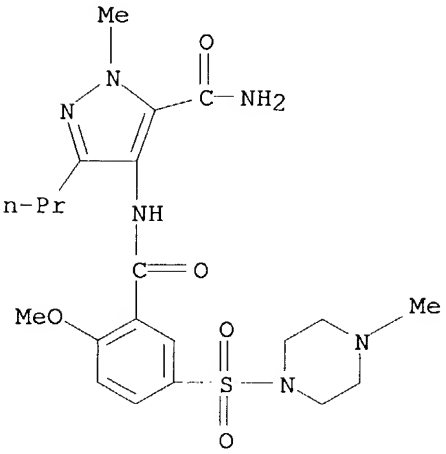
L5 ANSWER 21 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:259773 CAPLUS
DN 132:279229
TI Preparation of pyrazolo[4,3-d]pyrimidin-7-ones
IN Dunn, Peter James; Levett, Philip Charles
PA Pfizer Limited, UK; Pfizer Research and Development Company, N.V./S.A.
SO Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 994115	A2	20000419	EP 1999-307996	19991011
	EP 994115	A3	20000524		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	IL 152923	A1	20040208	IL 1999-152923	19991007
	IL 152924	A1	20040219	IL 1999-152924	19991007
	IL 152926	A1	20040219	IL 1999-152926	19991007
	US 6207829	B1	20010327	US 1999-415440	19991008
	CN 1255497	A	20000607	CN 1999-123918	19991009
	CN 1473831	A	20040211	CN 2003-2003142738	19991009
	AU 9953581	A1	20000413	AU 1999-53581	19991011
	AU 756463	B2	20030116		
	NO 9904943	A	20000413	NO 1999-4943	19991011
	MX 9909326	A	20000430	MX 1999-9326	19991011
	KR 2000028987	A	20000525	KR 1999-43836	19991011
	BR 9905092	A	20000808	BR 1999-5092	19991011
	ZA 9906412	A	20010411	ZA 1999-6412	19991011
	BG 63205	B1	20010629	BG 1999-103794	19991011
	EG 22630	A	20030531	EG 1999-1269	19991011
	JP 2000119273	A2	20000425	JP 1999-290099	19991012
	EE 9900507	A	20000615	EE 1999-507	19991012
	EE 4192	B1	20031215		
	HR 990318	A1	20000630	HR 1999-990318	19991012
	HR 990318	B1	20040630		
	TR 9902541	A2	20000721	TR 1999-9902541	19991012
	US 2001009962	A1	20010726	US 2001-761376	20010116
	US 2003069422	A1	20030410	US 2002-253029	20020923
PRAI	GB 1998-22238	A	19981012		
	IL 1999-132273	A3	19991007		
	US 1999-415440	A3	19991008		
	US 2001-761376	B1	20010116		

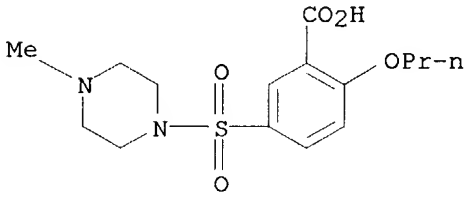
OS CASREACT 132:279229; MARPAT 132:279229
IT **263897-16-1P 263897-17-2P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrazolo[4,3-d]pyrimidin-7-ones)
RN 263897-16-1 CAPLUS
CN Benzoic acid, 2-methoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 263897-17-2 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-methoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



L5 ANSWER 22 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:176119 CAPLUS
DN 132:342802
TI N-3-Substituted Imidazoquinazolinones: Potent and Selective PDE5 Inhibitors as Potential Agents for Treatment of Erectile Dysfunction
AU Rotella, David P.; Sun, Zhong; Zhu, Yeheng; Krupinski, John; Pongrac, Ronald; Seliger, Laurie; Normandin, Diane; Macor, John E.
CS Discovery Chemistry and Cardiovascular Drug Discovery, Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ, 08543-5400, USA
SO Journal of Medicinal Chemistry (2000), 43(7), 1257-1263
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
IT **269731-53-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of imidazoquinazolinones as potent and selective PDE5 inhibitors and potential agents for treatment of erectile dysfunction)
RN 269731-53-5 CAPLUS
CN Benzoic acid, 5-[(4-methyl-1-piperazinyl)sulfonyl]-2-propoxy-, lithium salt (9CI) (CA INDEX NAME)

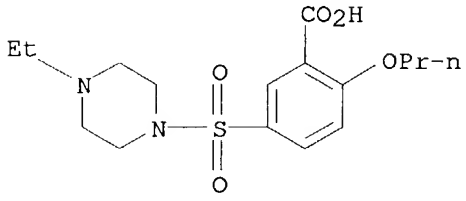


RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

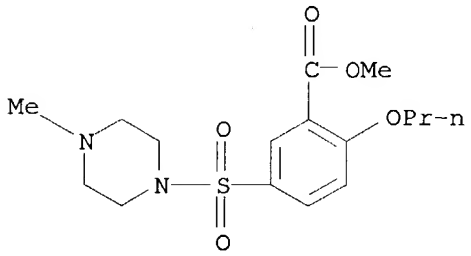
L5 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:795656 CAPLUS
DN 132:35712
TI Preparation of quinazolinone inhibitors of cGMP phosphodiesterase
IN Macor, John E.; Rotella, David P.; Weller, Harold N., III; Cushman, David W.; Yevich, Joseph P.
PA Bristol-Myers Squibb Company, USA
SO PCT Int. Appl., 141 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964004	A1	19991216	WO 1999-US12485	19990602
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6087368	A	20000711	US 1999-322678	19990528
	CA 2334970	AA	19991216	CA 1999-2334970	19990602
	AU 9943332	A1	19991230	AU 1999-43332	19990602
	AU 746586	B2	20020502		
	EP 1085871	A1	20010328	EP 1999-955422	19990602
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRAI	US 1998-88538P	P	19980608		
	WO 1999-US12485	W	19990602		

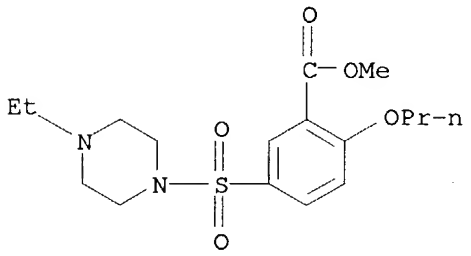
OS MARPAT 132:35712
IT **215299-79-9P 252233-57-1P 252233-58-2P 252233-60-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of quinazolinone inhibitors of cGMP phosphodiesterase)
RN 215299-79-9 CAPLUS
CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)



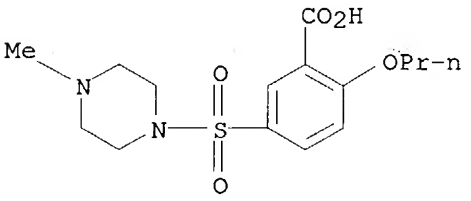
RN 252233-57-1 CAPLUS
CN Benzoic acid, 5-[(4-methyl-1-piperazinyl)sulfonyl]-2-propoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 252233-58-2 CAPLUS
CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy-, methyl ester (9CI) (CA INDEX NAME)

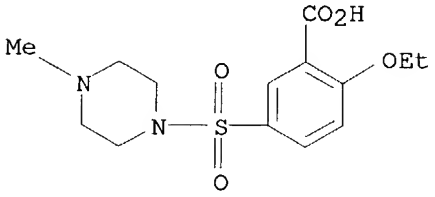


RN 252233-60-6 CAPLUS
CN Benzoic acid, 5-[(4-methyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

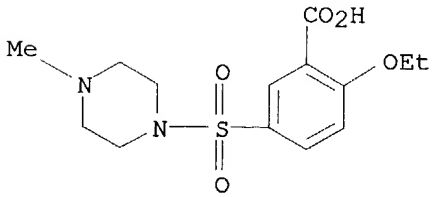
L5 ANSWER 24 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:784593 CAPLUS
DN 132:109700
TI The Chemical Development of the Commercial Route to Sildenafil: A Case History
AU Dale, David J.; Dunn, Peter J.; Golightly, Clare; Hughes, Michael L.; Levett, Philip C.; Pearce, Andrew K.; Searle, Patricia M.; Ward, Gordon; Wood, Albert S.
CS Department of Process Research and Development, Pfizer Central Research Laboratories, Sandwich Kent, CT13 9NJ, UK
SO Organic Process Research & Development (2000), 4(1), 17-22
CODEN: OPRDFK; ISSN: 1083-6160
PB American Chemical Society
DT Journal
LA English
IT **194602-23-8P**, 2-Ethoxy-5-(4-methyl-1-piperazinesulphonyl)benzoic acid **215299-33-5P**
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(intermediate double salt; chemical engineering process development of com. synthesis route to Sildenafil)
RN 194602-23-8 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 215299-33-5 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, monohydrochloride, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

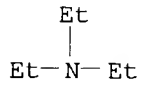
CM 1

CRN 194602-23-8
CMF C14 H20 N2 O5 S

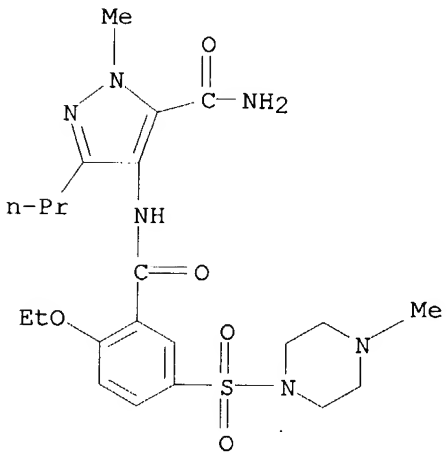


CM 2

CRN 121-44-8
CMF C6 H15 N

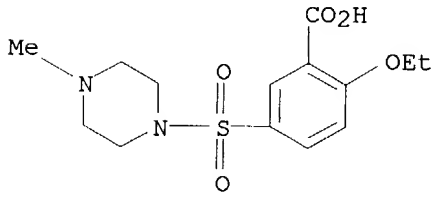


IT **200575-15-1P**, 4-[2-Ethoxy-5-(4-methyl-1-piperazinylsulphonyl)benzamido]-1-methyl-3-propyl-1H-pyrazole-5-carboxamide
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; chemical engineering process development of com. synthesis route to Sildenafil)
RN 200575-15-1 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

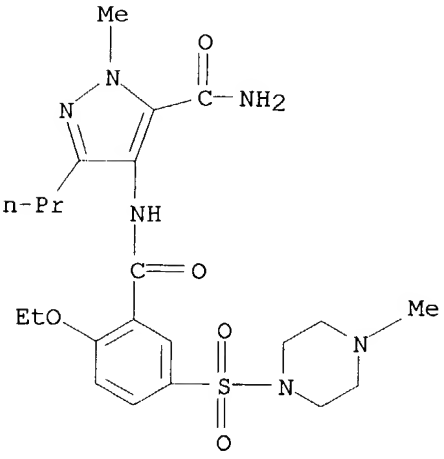


RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 25 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:729792 CAPLUS
DN 132:279187
TI Synthesis of sildenafil
AU Shen, Jing; You, Congchao; Wu, Song
CS Institute of Materia Medica, Chinese Academy of Materia Medica and Peking Union Medical College, Beijing, 100050, Peop. Rep. China
SO Zhongguo Yaowu Huaxue Zazhi (1999), 9(3), 220-222
CODEN: ZYHZEF; ISSN: 1005-0108
PB Zhongguo Yaowu Huaxue Zazhi Bianjibu
DT Journal
LA Chinese
IT **194602-23-8P 200575-15-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of sildenafil)
RN 194602-23-8 CAPLUS
CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 200575-15-1 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



L5 ANSWER 26 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:721699 CAPLUS
DN 129:330741
TI Preparation of pyrazolopyrimidinones as inhibitors of type 5 cyclic guanosine 3',5'-monophosphate phosphodiesterase (cGMP PDE5) for the treatment of sexual dysfunction.
IN Bunnage, Mark Edward; Mathias, John Paul; Street, Stephen Derek Albert; Wood, Anthony
PA Pfizer Ltd., UK; Pfizer Inc.
SO PCT Int. Appl., 157 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

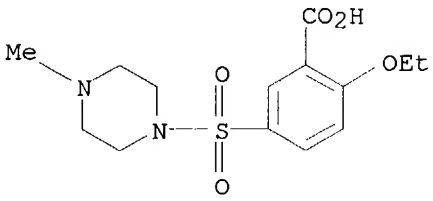
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9849166	A1	19981105	WO 1998-EP2257	19980410
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	TW 524805	B	20030321	TW 1998-87102657	19980224
	AU 9876445	A1	19981124	AU 1998-76445	19980410
	AU 730670	B2	20010308		
	EP 977756	A1	20000209	EP 1998-924132	19980410
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI, RO				
	TR 9902646	T2	20000522	TR 1999-9902646	19980410
	JP 2000510485	T2	20000815	JP 1998-546543	19980410
	JP 3563078	B2	20040908		
	BR 9810233	A	20001017	BR 1998-10233	19980410
	NZ 338075	A	20001027	NZ 1998-338075	19980410
	CA 2288910	C	20030624	CA 1998-2288910	19980410
	AP 1002	A	20010814	AP 1998-1228	19980423
	W: KE, UG, ZM, ZW, GM, MW, BW				
	ZA 9803478	A	19991025	ZA 1998-3478	19980424
	HR 980222	B1	20031231	HR 1998-980222	19980424
	US 6723719	B1	20040420	US 1999-402229	19990929
	MX 9909762	A	20000430	MX 1999-9762	19991022
	NO 9905211	A	19991025	NO 1999-5211	19991025
	JP 2004196820	A2	20040715	JP 2004-59879	20040303
	US 2004180944	A1	20040916	US 2004-808027	20040323
PRAI	GB 1997-8406	A	19970425		
	GB 1997-15380	A	19970722		
	GB 1997-22954	A	19971030		
	JP 1998-546543	A3	19980410		
	WO 1998-EP2257	W	19980410		
	US 1999-402229	A3	19990929		

OS MARPAT 129:330741
IT **194602-23-8P 215299-33-5P 215299-34-6P 215299-79-9P 215299-80-2P 215299-81-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrazolopyrimidinones as inhibitors of type 5 cyclic

guanosine 3',5'-monophosphate phosphodiesterase for the treatment of sexual dysfunction)

RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



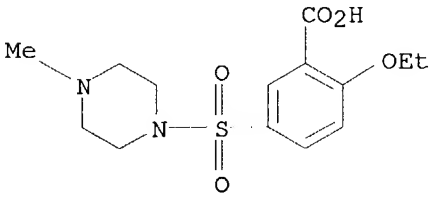
RN 215299-33-5 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, monohydrochloride, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 194602-23-8

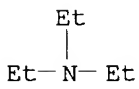
CMF C14 H20 N2 O5 S



CM 2

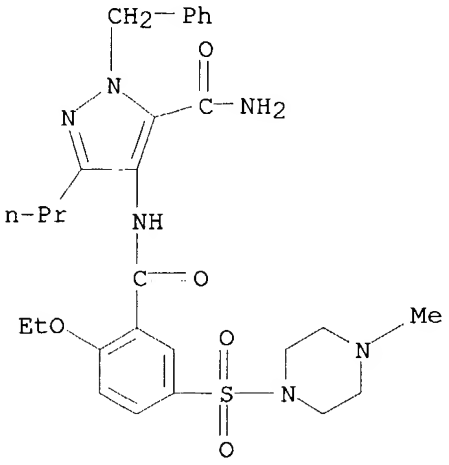
CRN 121-44-8

CMF C6 H15 N

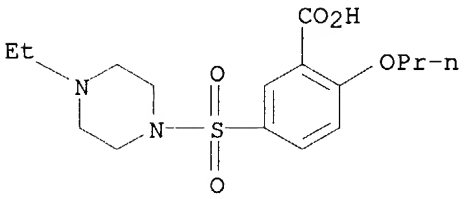


RN 215299-34-6 CAPLUS

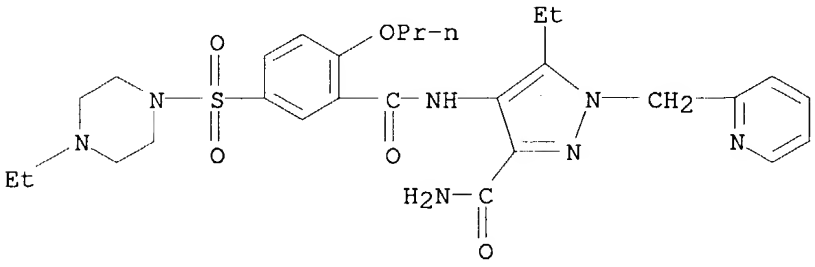
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-(phenylmethyl)-3-propyl- (9CI) (CA INDEX NAME)



RN 215299-79-9 CAPLUS
CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)



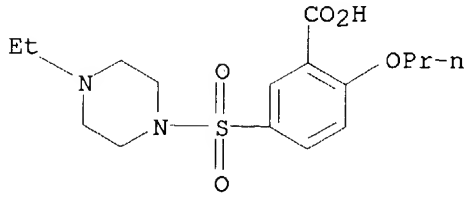
RN 215299-80-2 CAPLUS
CN 1H-Pyrazole-3-carboxamide, 5-ethyl-4-[[5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxybenzoyl]amino]-1-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 215299-81-3 CAPLUS
CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy-, monomethanesulfonate (9CI) (CA INDEX NAME)

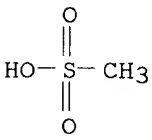
CM 1

CRN 215299-79-9
CMF C16 H24 N2 O5 S



CM 2

CRN 75-75-2
CMF C H4 O3 S



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 27 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:13695 CAPLUS
DN 128:75412
TI Process for preparation of Sildenafil by cyclization
IN Dunn, Peter James; Wood, Albert Shaw
PA Pfizer Limited, UK; Pfizer Research and Development Company, N.V./s.A.
SO Eur. Pat. Appl., 18 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 812845	A1	19971217	EP 1997-303832	19970604
	EP 812845	B1	19990714		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LV, FI, RO				
	TW 391961	B	20000601	TW 1997-86106681	19970519
	NO 9702481	A	19971215	NO 1997-2481	19970530
	EP 916675	A2	19990519	EP 1998-123740	19970604
	EP 916675	A3	19990714		
	EP 916675	B1	20030730		
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	AT 182150	E	19990715	AT 1997-303832	19970604
	ES 2134051	T3	19990916	ES 1997-303832	19970604
	AT 246194	E	20030815	AT 1998-123740	19970604
	PT 916675	T	20031128	PT 1998-123740	19970604
	ES 2201397	T3	20040316	ES 1998-123740	19970604
	IL 121000	A1	20000229	IL 1997-121000	19970605
	IL 125411	A1	20000229	IL 1997-125411	19970605
	US 5955611	A	19990921	US 1997-869532	19970606
	IN 187350	A	20020330	IN 1997-DE1548	19970610
	SK 283894	B6	20040406	SK 2001-1783	19970610
	SK 283895	B6	20040406	SK 2001-1784	19970610
	SK 283896	B6	20040406	SK 2001-1786	19970610
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	SK 283893	B6	20040406	SK 1997-743	19970610
	CA 2207694	AA	19971214	CA 1997-2207694	19970612
	CA 2207694	C	19991123		
	CZ 290942	B6	20021113	CZ 1997-1811	19970612
	ZA 9705259	A	19971215	ZA 1997-5259	19970613
	AU 9724878	A1	19971218	AU 1997-24878	19970613
	AU 697684	B2	19981015		
	CN 1168376	A	19971224	CN 1997-113261	19970613
	CN 1106399	B	20030423		
	JP 10081688	A2	19980331	JP 1997-156422	19970613
	JP 2866841	B2	19990308		
	HR 970326	B1	20001031	HR 1997-970326	19970613
	BR 9703580	A	19981110	BR 1997-3580	19970616
	JP 11171879	A2	19990629	JP 1998-271067	19980925
	JP 3058863	B2	20000704		
	NO 9805064	A	19971215	NO 1998-5064	19981030
	US 6066735	A	20000523	US 1999-360128	19990723
	CN 1282740	A	20010207	CN 2000-120054	20000705
	IN 187317	A	20020323	IN 2001-DE517	20010424
	IN 187318	A	20020323	IN 2001-DE518	20010424
	IN 187319	A	20020323	IN 2001-DE519	20010424

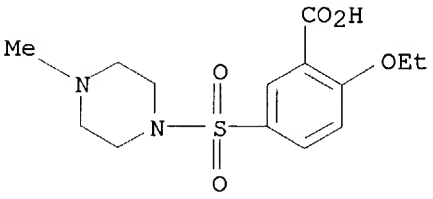
	IN 187320	A	20020323	IN 2001-DE520	20010424
PRAI	GB 1996-12514	A	19960614		
	EP 1997-303832	A3	19970604		
	IL 1997-121000	A3	19970605		
	US 1997-869532	A3	19970606		
	IN 1997-DE1548	A	19970610		
	JP 1997-156422	A3	19970613		

OS CASREACT 128:75412

IT **194602-23-8P 200575-15-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(process for preparation of clin. quality sildenafil by cyclization)

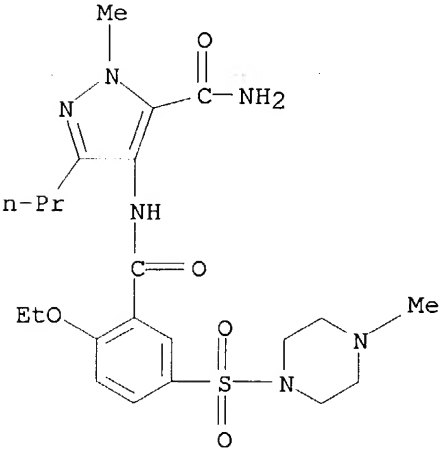
RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 200575-15-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)



10/808.027

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COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	88.73	244.78

STN INTERNATIONAL LOGOFF AT 15:55:38 ON 21 SEP 2004